



knowledge quiz

Oceans

Name _____

1. Which of the following is NOT a major factor in heating our oceans?
 - A. the sun
 - B. condensation of water vapor from the air
 - C. friction between ocean currents and landmasses
 - D. contact with the earth's crust beneath the oceans
2. How much of the earth's surface do the oceans cover?
 - A. 1/2
 - B. 2/3
 - C. 3/5
 - D. 3/4
3. What does an ocean contain?
 - A. salty water (lots of it)
 - B. diverse life forms
 - C. dissolved gases, minerals, and nutrients
 - D. all of the above
4. Why is water colder in the ocean depths than it is near the surface?
 - A. Water near the surface is heated by sunlight.
 - B. The numerous fish near the surface heat the water with their bodies.
 - C. The ocean floor is made of ice and cools the water next to it.
 - D. All of the above are true.
5. Humans cannot explore much of the ocean without technological assistance. Which of the following is a technology that assists in ocean exploration?
 - A. radar
 - B. X-rays
 - C. sonar
 - D. MRI (Magnetic Resonance Imaging)



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6. Even though ocean water is salty, it provides most of the freshwater for plants and animals all over the world. How does this happen?
 - A. The salt evaporates from the water when it flows onto land.
 - B. Salt is filtered naturally out of the water when it leaves the ocean.
 - C. Water from the ocean evaporates and falls as rain, snow, or hail.
 - D. All of the above are true.

7. Sunlight cannot reach the deepest parts of the ocean. As a result, creatures of the deep glow with chemically produced light called
 - A. bioluminescence.
 - B. black light.
 - C. neon.
 - D. infrared.

8. How does the gravitational pull of the sun and moon affect the ocean?
 - A. Gravitational pull causes the rise and fall of the tide.
 - B. Gravitational pull affects the speed of ocean waves.
 - C. Ocean temperatures are controlled by gravitational pull.
 - D. Ocean depth is controlled by gravitational pull.

9. Which of the following does NOT play a role in the creation of ocean currents?
 - A. wind
 - B. gravity
 - C. rotation of the Earth
 - D. water temperature

10. How many times in one day will the tide rise and fall?
 - A. one
 - B. two
 - C. four
 - D. five